

**4th Primary (Information
Communication Technology)**



"ICT"

First semester



Lesson 1

Summary

- Albert Lin** is a famous Archeologist. He can use **Photographs** from **satellites and drones**.
- Ground penetrating radar**: discover objects buried underground.
- Global positioning system (**GPS**): a way to find the location of something using satellites.
- Magneto meter**: measures a magnetic field. It can find metal underground
- locate things above the ground: **GPS**
- locate things under the ground: **ground penetrating radar (GPR) / magnetometer**

Q1.Choose

1. Archaeologists use this tool to locate things above the ground.
(**GPR / magnetometer / GPS**)
2. You want to see if there are any old coins buried underground, you will use
(**Drone / GPS / magnetometer**)
3. You receive a message from a friend who is lost and you want to try to find them, you will use
(**GPR / magnetometer / GPS**)
4. You want to find out if there are any old buildings under the ground, you will use
(**Drone / GPS / GPR**)

Q2.Put true (✓) or false (✗)

1. Magnetometer used to discover minerals under the ground. ()
2. GPR is used to discover buried bodies under the ground. ()

3. Engineers use magnetometer to indicate building places. ()
4. Tourist doesn't need GPR to know places. ()
5. The basic target from adding GPS to mobile phones to know the
Archaeological places. ()
6. Magnetometer uses to discover minerals below the ground. ()
7. GPS is used to find places you might need to visit. ()
8. Satellites appeared in the era of the mechanical revolution. ()
9. Archaeologists use ground penetrating radar to find objects above the ground. ()
10. Global Positioning System (GPS) connects to satellites to determine locations. ()
11. The Pascaline, is an example of technology from the Pre-Mechanical Age. ()

Q3.Fill in the spaces using the words below

GPS

GPR

Magnetometer

Drone

Satellite

1. is away to find location of something using satellites.
2. Scientist use and to collect photographs.
3. Technological tool measures a magnetic field is
4. Can discover objects buried underground.

Q4.Think and Answer (short answer questions)

***Technological tool could be used for each situation:**

1. You want to see if there are any old coins buried underground.

2. You receive a message from a friend who is lost and you want to try to find them.

3. You want to find out if there are any old buildings under the ground.

.....



Lesson 2

Summary

- 1. Pre-Mechanical age:** Ink pen, pencils, papers and counter
- 2. Mechanical age:** Printer, calculator and typewriter.
- 3. Electro –Mechanical age:** Electricity, the first computer in the world, Phone, phone lines and recorder.
- 4. The electronic age:** Satellite, smart phone, GPS, computer and

Q1.Match

- | | | |
|---|----------------------------------|-----|
| 1. printing machine, calculator and typewriter | a. Electronic Age | () |
| 2. Satellite, smartphones, online maps and word processor | b. Mechanical Age | () |
| 3. Pens, pencils, parchment, paper and abacus | c. Pre Mechanical Age | () |
| 4. Telephone, telephone lines, record player | d. Electro-Mechanical Age | () |

Q2.Choose

1. People started to communicate through pictures during Age.
(**Electronic / Mechanical / Electro-Mechanical / Pre Mechanical**)
2. People recorded a tremendous amount of information during Age.
(**Electronic / Mechanical / Electro-Mechanical / Pre Mechanical**)
1. Electricity was first used duringAge.
(**Electronic / Mechanical / Electro-Mechanical / Pre Mechanical**)
2. The information explosion happened duringAge.
(**Electronic / Mechanical / Electro-Mechanical / Pre Mechanical**)
3. Personal computers, laptops and satellites are key advancement duringAge.
(**Electronic / Mechanical / Electro-Mechanical / Pre Mechanical**)
- 4.-----is used as a means of communication in modern times.**
(**E-mail / Pencils / Pens**)

5. The era of the electronic revolution was characterized by the existence of -----
(laptop/ printer/ hierographic symbols)

6. The timeline of technological evolution is.....

a- Word, Pen, Typewriter

b- Typewriter, Pen, Word.

c- Pen, Typewriter, Word.

Q3.Put true (✓) or false (✗)

1. Electricity appeared during Mechanical age. ()
2. Pascaline is one of Electronic Age tools. ()
3. The information Age still till now. ()
4. The first digital computer weighed 5 tons. ()
5. EKB website available online to understand more about history. ()
6. The magnetometer is used to determine directions via satellites. ()
7. The earth's penetrating radar is used to detect underground minerals. ()
8. Electricity was first used during the Electro-Mechanical Age. ()

Q4.Think and Answer (short answer questions)

A) What method of communication would you choose in each situation?

1. Your friend asks you if you can meet tomorrow, you need to send him/her a short reply to say yes.

2. Your grandmother lives in a different place you want to tell her about what you learned in school and what you want to do when you visit her.

3. You want to send a short message to your cousin to say happy birthday.

4. You use at home in your daily life.

B) During which age was electricity first used?



Lesson 3

Summary

Input		Output	
Type of hardware component	Type of input data	Type of hardware component	Type of output data
Keyboard	Letters and numbers	Screen	Visual information; text, images and video
Mouse or touchscreen	Directional data	Braille terminal	Text in Braille for blind people
Microphone	Sound and music	Speaker	Audio
Camera	Images or video	Speech synthesizer	Audio
Scanner	Text and images from paper	Printer	Text and images on paper

Function	Component Name
Interactive with information by selecting from the screen <u>Mouse</u>
View visual information (text/pics/video files) <u>Screen</u>
Enable user to enter pics to computer <u>Camera</u>
Enable user to enter text to computer <u>keyboard</u>
Enable user to enter text and pics to the computer from paper <u>Scanner</u>
Enable user to get out text and pics from the computer to paper <u>printer</u>
Enable user to enter audio parts to computer <u>Mic</u>
Enable user to get out audio parts from computer <u>Speakers</u>

-Data $\xrightarrow{\text{then}}$ Processing $\xrightarrow{\text{then}}$ Information

- Braille terminal: **enables blind people to use computer.**

- **Speech Synthesizer: enables dumb people to talk.**

Q1.Choose

- This component allows blind people to use computers.
(**Speaker / Speech Synthesizer / Screen / Braille terminal**)
- This component allows non-verbal people to speak.
(**Speaker / Speech Synthesizer / Screen / Braille terminal**)

3. This component allows output of audio.
(Speaker / Mic / Screen / Scanner)
4. This component allows input of text and images from paper.
(Speaker / Mic / Screen / Scanner)
5. This component allows input of audio.
(Speaker / Mic / Screen / Scanner)
6. We use keyboard to enter data then preview information on
(Speaker / Mic / Screen / Scanner)
7. is the connection channel between user and CPU to achieve commands
(App / operating system / software / Hardware)
8. are used to communicate with audio and image.
(Video calls / Digital articles / Digital blogs)
9. The component responsible for entering the data for the computer is the
(keyboard / CPU / printer)
10. The camera and microphone are used in
(published articles/text messages /video calls)
11. is used to copy paper inside the computer.
(Display screen / Scanner /Speech installer)
12. One of the devices that word processing software needs to write on your computer is ----
(keyboard /the printer /speakers)
13. One of the advantages of ICT tools is
(Data theft / helping people with disabilities / overuse of electronic devices)
14. Enables you to take the audio clips out of the computer.
(The mouse /the speaker /the screen zoom software)
15. One of the attached devices that you use during video calls is the
(printer /scanner /camera)
16. The is responsible for processing data.
(Printer/ screen / CPU)
17. The speaker allows
(Input Audio data / Output audio data /Printing papers)

Q2. Put true (✓) or false (✗)

1. Scanner is used to print images from your computer on paper. ()
2. You can see what you're doing in your device by looking at the display screen. ()
3. A keyboard is a device used to output data. ()
4. We use scanners to transfer text and images from paper to our computers. ()

Q3.Think and Answer (short answer questions)

According to the function write the name of computer component:

1. This component allows input of text and images from paper.
(.....)
2. This component displays Visual data: texts, images and videos.
(.....)
3. This component allows input images.
(.....)
4. This component allows output of text and images on paper.
(.....)
5. This component considered input and output at the same time.

Q4.Fill in the table below

Screen Camera Braille Terminal Scanner Microphone keyboard
Speaker Mouse Printer Touch screen Speech Synthesizer

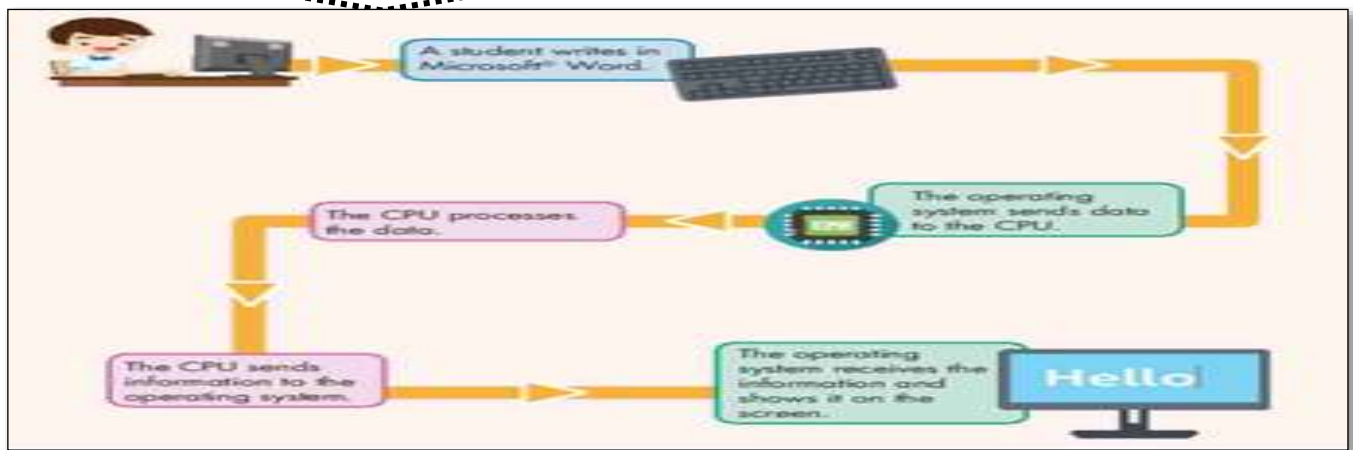
Input	Output



Lesson 4

Summary

- Operating system**: controls the processed Data and the way of processing.
- MS Word**: Microsoft program used to create documents.
- CPU**: receives information from Operating System and processes this information to send it back to operating system.



Q1.Fill in the table below

CPU	gaming apps	Google Chrome browser	PowerPoint
Screen	Keyboard	Windows	Microsoft Word
Hardware	Operating System	Application Software	
.....	
.....	
.....	

Q2.Put true (✓) or false (✗)

1. Input devices in computer work on processing data. ()
2. CPU is a type of software. ()
3. Information is the final result we get after processing the data. ()
4. Data entry is the last stage of access to final information. ()
5. Removing Word program from your device helps solve most problems. ()
6. Output devices help in processing data. ()
7. Word processing software is a type of device. ()
8. The operating system is not necessary to deal with the computer.
9. The Central Processing Unit (CPU) is a type of software.

Q3.Choose:

1. It sends commands to CPU to control the processed Data and the way of processing.
(MS Word / Operating System / Power Point / Google Chrome)
2. Physical parts of a computer are
(Operating System / Hardware / Software / Apps)
3. A set of instructions that directs a computer's hardware to perform a task is called
(Operating System / Hardware / Software / Apps)
4. Theprocesses the Data and send information to Operating System.
(Mouse / CPU / Keyboard / Screen)
5. The Operating System receives and shows at Screen.
(Information / orders / Data / letters)
6. is considered the brain of computer.
(Mouse / CPU / Keyboard / Screen)
7. Information is considered the processing product of -----
(Data / digital blogs/ e-mail)

Q4.Think and Answer (short answer questions)

A) Rearrange the sentences below:

- () CPU sends information to operating system.
- () A student writes in MS Word.
- () The operating system receives the information and shows on Screen.
- () The CPU processes the DATA.
- () The operating system sends DATA to the CPU.

B) Write 3 devices that you would like to use during a video chat?

C) What is Software? Write one of them?



Lesson 5

Summary

Assistive Technology: Technological tools that help people of determination

-Hearing Aids: Help people who suffer from hearing problems to hear well

-Screen Magnification Software: help people who have suffer from visual impairment.

-Alternative Communication Software: convert written text to speech and vice versa.

-Para climbing tools: Allow climbers to climb mountains

-Hand bike: Has 3 wheels and is powered by your hands, and even running blades.

-Football that make noise: It makes sound to help people of determination.

-Cell phones with large button: help people who have suffer from visual impairment.

Q1.Complete the sentences using the words below

Assistive Technology

Stephen

Albert Lin Hand bike

Para climbing tools

Football that make noise

Assistive

Hearing aids

Alternative communication software

1. Stephen Hawking was a famous scientist who used Technology to help him communicate.
2. has an amputated leg, and he still travels around the world by using prosthetic leg
3. Help people who suffer from hearing problems to hear well is
4. is Technological tools that help people of determination.
5. People who have visual impairment use to magnify everything on computer screen
6.help people of determination to communicate with others.
7. It has 3 wheels and is powered by your hands it's
8.allow climbers to climb mountains.

Q2:What is assistive Technology?

Q3.Put true (✓) or false (✗)

1. Screen zoom software helps people with visual difficulties. ()
2. Braille transforms letters into prominent symbols and can be read by touching. ()
3. Assistive technology is a technology that helps people of determination go about their daily lives. ()

Q4.Choose

- 1.----- is a way that converts letters into prominent symbols that can be read by touching.
(Earpiece / Screen / Braille)
2. Screen zoom software is used to help people who suffer from -----
(Hearing impairment / visual impairment / limb loss)
- 3.----- is a device that allows non-speakers to speak.
(Scanner /Printer / Speech Synthesizer)
- 4.----- is a device that helps people with hearing impairment.
(Speakers /Printer /Medical hearing aids)
- 5.----- is a device that helps people with hearing impairment.
(Speakers / Printer / Medical hearing aids)
- 6.----- Program is used to write reports.
(Screen zoom software / Word program / Medical hearing aids)
7. Screen magnification software enables
(Showing Information / Hearing the information / Printing papers)
8. Helps people of determination (of a missing limb) to practice their daily life
(Prosthetic leg / Keyboard / Camera)



Lesson6

Summary

Problems and solution:

1. **This app Can't open:** Reboot the device and try to open it again /Make sure that software has been updated/Delete the app and reinstall it again)
2. **Mouse pointer can't work:** Check mouse cable and make sure it's connected to correct place /If it still not working restart your PC /May be the mouse has a defect and you need to replace it.
3. **You can't find a file:** Check your downloads folder/If it's a word file search inside document folder/If you are searching for an image file search in picture folder/ Use the search box next to start button.
4. **Your screen freezes:** Press and hold the **ctrl+Alt+del** buttons together at the same time/Power off your computer and reopen.
5. **The keyboard isn't typing:** Make sure your keyboard cable is connected to the correct place /Restart your device /May be your keyboard is defect and you need to replace it.

Q1.Choose

1. Press and hold the “Ctrl”,”Alt” and “del” buttons when
(Can't find a file / screen freezes/app can't open /pointer can't work)
2. Do a search using the search box next to the start button to
(Find a file / screen freezes/app can't open /pointer can't work)
3. Restart your computer and try opening it again when
(Find a file / screen freezes/app can't open /pointer can't work)
4. Uninstall and reinstall the app when
(Find a file / screen freezes/app can't open /pointer can't work)
5. You can use To write school reports and Home work.
(MS PowerPoint / MS word/MS Excel /Windows)
6. It is preferable to----- after repairing or reinstalling the mouse to the device.
a-connect the power charger to the device b- check electrical connections
c- restart the device

7- When there's a problem opening one of the Apps on your computer, you might need to --
a- restart your device b- replace the mouse c- replace the keyboard

8.You want to find a file in your pc, you should

a- Restart the device. b- Press on Del+Alt+Ctrl c- Use the Search Box

9.The command responsible for closing all the applications on the personal computer or laptops is

.....

a- Del+Alt+Ctrl

b- Alt+del+Tab

c- Del+Tab+Shift

Q2.Read and Answer

A)

☺My PC suddenly, the screen freezes what can I do?

1.

☺Maged can't find a file on his PC. What solutions could he try?

1.

☺When Reem clicks on her music app, it doesn't open. What solutions could she try?

1.

☺Karim tries to type his name and when he starts the keyboard isn't typing. What solutions could he try?

1.

☺Jidda tries to open her favorite game but the mouse cursor isn't working. What solutions could he try?

1.

Q2.Put true (✓) or false (✗)

1. If you can't find a file, you should restart your computer. ()



Lesson7

Summary

Collect Data → Analyze → Draw graph

Common Sources to Collect DATA: Books and articles (digital /Print) /Records (logs & reports) /Surveys /Experiments.

Analyze: find out what happened, Why it happened, What is likely to happen next, and what should be done.

The best way to interpret a lot of data: is to look for trends in the information.

A common graph: is a bar graph clearly present and compare different categories of information.

Q1.Choose

1. Scientists and archaeologists can To solve problems.
(Read - write – search – ask)
2. The best way to interpret a lot of Data is to look for
(Face book - YouTube – Whats App – trends)
3.is a digital tool that can be used to organize Data.
(MS PowerPoint – MS Excel – Windows – MS Word)
4. When you analyze the data you've collected, you review your
(Data – Findings – information – analyze)
5. Once you have analyzed the information you have collected, you're ready to graph the
(Data – Findings – information – analyze)
6. The best program for analyzing data is
(MS PowerPoint – MS Excel – Windows – MS Word)
7. You can use it printed or digital to collect Data.
(Survey – experiments – books – interviews)
8. The students do a inside the class to collect Data about their favorite technology tool.
(Survey – experiments – books – interviews)
9. Inside Since lab we make a lot of With our teacher to collect Data.
(Survey – experiments – books – interviews)
- 10.The most common graph is to graph information.
(Line – Bar – column – Pie)
- 11.....is an easy way to express survey results.
(Survey – experiments – books – graph)

Q2.Put true (✓) or false (✗)

1. Books and magazines are sources of data collection. ()
2. You can collect data from many different sources. ()
3. Researchers always have to use published articles to report their information. ()
4. Surveys and experiments are one of the most important sources of data collection. ()

Q3.

- a. What is the last stage after analyzing Data?
.....
- b. What is the best way to interpret a lot of DATA?
.....

.....



Lesson 8

Summary

Ways of reporting information:

- **Short report in an email** : A common way to report Data
- **Blogs**: Is used to express your personal opinions on the internet.
- **Publisher articles**: Personal information and opinions that express their owner which are available for reading and downloading in various sites.
- **Social media sites**: Away to report information by writing posts and comments through
- **Interviews**: Away to report information, it's a face-to-face conversation.
- **TV programs**: Away to report information through talk show.
- **Video chat** :use electronic device to record video
- **Text message**: write a text using your phone or any other app.

***EKB**: It's a reliable source of information.

Q1.Choose

1. A common way to report Data is through
(Blog / Email / TV programs / Social Media)
2. Is an online website where a writer or a group of writers share their views on an individual subject
(Blog / interviews / TV programs / Social Media)
3. A blogger is someone who runs and controls a
(Interviews / TV programs / Blog / Social Media)
4. Away to report information, it's a face-to-face conversation called
(Blog / interviews / TV programs / Social Media)
5. Away to report information by writing posts and comments through
(Blog / interviews / TV programs / Social Media)
6. Away to report information through talk show, this way called
(Blog / interviews / TV programs / Social Media)
7. It's a reliable source of information.
(Google / EKB / Blog/ Social Media)
8. Is used to express your personal opinions on the internet.
(Digital blog / E-mail / GPS)

9. Before you show your results on charts, you should

- a- Share it online with others. B. Analyze them. C. Remove them.

Q2. Think and Answer (short answer questions)

1. Mention two communication tools that you can use to communicate with your teacher and students?

.....

2. Write three ways that researchers use to report information?

.....

3. What is one reason a blog may not be a reliable source?

.....



Summary

Lesson 1

- Internet is a powerful tool
- Check the information because may be its not correct
- Communicate with other people through Sending important message
- Some resources are not trusted so information sometimes not correct.
- Scientific studies and reports ways of finding information.

Q1.Put true (✓) or false (✗)

1. Internet web is not important for obtaining information. ()
2. E-mail is used to share data and communication among friends. ()
3. Internet helps us in finding the information we want. ()

Q2.Rearrange the sentences below:

- () Cross check facts by trying to find them in more than one place.
- () Decide what information you want to find out.
- () Look carefully at the information that you have found.
- () Tell the reader where the information came from.
- () Think about the search terms or key words you will use.

Q3.choose:

1. Personal information and opinions that express their owner which are available for reading and downloading in various sites are -----
a- Published articles b- E-mails c- Text messages

Online communication tools: Computers – Tablets - Phones

Online communication ways: Message forums - Direct message - Instant messaging

Personal Information: address/name / school name/ password/credit/ mobile

Block: Someone no longer be able to contact you or view your account.

Spam: Messages calling for unreal advertisements on your email

Q1. Complete the sentences, use the words from the box

Block	download	instant message	personal information	spam
--------------	-----------------	------------------------	-----------------------------	-------------

1. An email from an unknown address that includes advertisements is likely to be
2. When you a file, you save it to your device.
3. If you someone, they will no longer be able to contact you or view your account.
4. Think carefully before you share address or other Online.
5. You can use to communicate with friends.

Q2. Choose

1. You get a message from a stranger on your social media account sending you a video to watch what should you do?
 - a. Down load the video to watch later.
 - b. Write a replay and say you can't wait to watch it.
 - c. Delete and ignore the message.
 - d. Send him friend request.
2. A friend sends you a strange picture that scares you what should you do?
 - a. Send the picture to all your friends.
 - b. Copy the picture to your computer.
 - c. Tell a parent.
 - d. Send a message back with an even scarier picture.

3. If you accidentally view unsafe or inappropriate site what should you do?
 - a. Leave the site and tell your parent.
 - b. Be panic.
 - c. Keep the site opened.
 - d. Stop using technology.
4. When yousomeone, that person can't see your posts or contact you.
 - a.block b. spam c. download d. share
5. mail includes unwanted messages.
 - a. block b. spam c. download d. share
6. When you are using the internet, you might want to a file.
 - a. block b. spam c. download d. share
7. If you have a message from someone who is bullying you
 - a. block b. spam c. download d. share
8. Messages calling for unreal advertisements on your email are-----
 - a- download files b- spam c- personal data
9. Your friend sent you a friend request on a social networking site, you must -----
 - a- close the device b- delete the friend request c- check his identity
10. ----- includes your name, address and your date of birth.
 - a- Personal data b- Spam c- Download
12. Your friend sent you a file and you want to save it on your device, you should
 - a- Download the file. b- Block c- Scanner
13. You shouldn't communicate with on social media sites.
 - a- Your school friend. b- a friend of you. C- Unknown person wants to share your information.
14. When someone mistreats you on the internet, you should
 - a. Block him and tell one of your family members.
 - b. Send him a bad message.
 - c. Send a bad message to your friends.

Q3. Think and Answer (short answer questions)

1. What should you do before tagging a friend in a photo or post?

Q4. True or False

1. Block is considered one of the ways to communicate with your colleagues or friends on the internet. ()
2. You can download files on your device without an internet service. ()
3. When someone is blocked, they can see your posts. ()
4. E-mail is considered personal information. ()

Posting Online: it means identify a person in a post, photo or video.

Social media post on rules:

- 🔊 Take permission before tagging someone.
- 🔊 Respect others privacy.
- 🔊 Be sure that your post isn't hurtful for other one.
- 🔊 Credit sources that provide you with information that you share with others.
- 🔊 Respecting Law

Credit a source of information: let others know where the information you are sharing come from (write the source of information)

Banned sites contains: (publish inaccurate, immoral and harmful materials).

Use ICT Tools wisely and ethically.

Mention positive and negative of ICT:

Positive	Negative
<ul style="list-style-type: none"> • Read the news with just a click of the mouse • Upload and download videos and photos. • Sharing videos and photos anywhere. • Communicate with family and friends anywhere in the world. 	<ul style="list-style-type: none"> • Come across upset subject • Get eye strain or headaches from using your device too long time. • Some times you get un correct information from searching using google chrome.

Q1.Choose

1. Nadia went to her friend's birthday party, she took a lot of photos what should she do?
 - a. Share all photos on face book.
 - b. Tagged all her friends in a post.
 - c. Take a permission from her friends to share.
 - d. Select the funniest ones and share.
2. One of ethical behavior is to a source.
 - a. ignore
 - b. credit
 - c. mention
 - d. edit

3. When you tag someone, the tag provides a To the person's profile.
 a. **link** b. **message** c. **request** d.
4. It's a software which you can use to create presentations.
 a. **Windows** b. **MS Word** c. **PowerPoint** d. **google.**
5. This type of sites can may publish inaccurate and harmful material.
 a. **Trusted sites**
 b. **Scientific sites**
 c. **Banned sites**
 d. **Communication site**
6. From the advantages of ICT tools
 a- Bullying your friends. b- Helping people of determination
 c- Excess usage of electronic devices.

Q2.What are the pros and Cons of ICT tools in everyday life?

Pros of using ICT tools	Cons of using ICT tools

Q3.True or False

1. It's no harm getting your friend's information without his permission. ()

.....

Search means: Using Internet to find the information you need (results)
Search Engine means: A software application that carries out web searches.
Browser: is a software application that is used for accessing information on the internet.
Google: is the most famous search Engine we ever use.
Searching smartly: 1. Type longer phrases. /2. Use special keywords not general to get specific results.
Too general key words, will get too many results not relevant to your search.
+ sign: Add to your search instead of and / where / the ...
- Sign: before words you would like the search engine to avoid.
"Quotation marks "": to narrow your search to the exact wording

Q1.True or False

1. Choosing search words helps us get the required search results. ()
2. The quotation mark "" is used to summarize the search results that you want.()
3. You must ask permission before posting any information related to your friends.()

Q2.Complete:

(Browser - search engine - results)

- a. a software application that carries out web searches (.....)
- b. a software application that is used for accessing information on the internet (.....)
- c. a list that is compiled based on a search. (.....)

(+ / - / " ")

1. To include the words like the, and, how, where in your search write before the word
2. To ignore results with some keywords write Before words you would like the search engine to avoid.
3.Help to narrow your search to the exact wording

Unreliable online sources: Social media apps / some websites /Blogs /Wiki sources

(Include opinions, errors, or even lies)

EKB: is reliable researching online (**Well-written/ with almost no mistakes/Page design will look professional**)

Wikipedia is: a free online encyclopedia, created and edited by volunteers around the world.

Website is: a collection of web pages and related content that is identified by a common domain name.

A domain name: is an Internet resource name that is universally understood by Web servers and online organizations.

.com: a business websites trying to sell you something.

.org.eg: non-profit organizations

.edu.eg: Educational institutions.

.gov.eg: government agencies

Q1.True or False

1. The Egyptian Knowledge Bank website is a trusted source in terms of content. ()

Q2.Match

1. Match the website domains to the types of groups that run them.			
.gov.eg	<input type="checkbox"/>	a. Egyptian organizations	
.org.eg	<input type="checkbox"/>	b. commercial sites	
.edu.eg	<input type="checkbox"/>	c. governmental sites	
.com	<input type="checkbox"/>	d. educational sites	

Q3.Complete:

.gov.eg .org.eg .edu.eg .com

- | | |
|---------------------------|----------|
| a. Egyptian organizations | (.....) |
| b. commercial sites | (.....) |
| c. government sites | (.....) |
| d. educational sites | (.....) |

Q4.Fill in the table:

Social media Apps – Blog post- EKB – wiki Sources – moe.gov.eg

Reliable sources	Unreliable sources

Theme
2

Summary

Lesson6

Common online problems: Online identity theft/ online bullying.

On line Bullying: is a repeated unkind behavior towards someone include mean posts, messages, or texts.

Online identity theft: Someone access to your social media Accounts and stole your **personal information** (address, email, or phone number).

How to avoid online bullying? Don't contact strangers/ ask your teacher or a family member for help.

Q1.True or False

1. One of the dangers of the internet is that others can use your personaldata. ()

Q2.Read and choose:

Read the situations and check the best answer:

1. Your friend is getting bullied online. He/ She is upset. What do you say to your friend?

- a. "You're being a bit silly about this. Get over it!"
- b. "Let's bully them back!"
- c. "We should get their personal information and post it for everyone to see. Then they will stop."
- d. "You need to tell your teacher or a family member, even if you don't want to"

2. You accidentally end up on a website that includes bad language and scary images. What do you do?

- a. Forward it to a friend and ask if this is something you should show to your teacher or a family member.
- b. Look for contact information on the site so you can send a complaint.
- c. Leave the site immediately. Ask your teacher or a family member to help set parental controls on your device.
- d. Leave the site immediately, and never go online again

1. What is an example of online bullying?



Summary

Lesson 7

Hacking is: the activity of identifying weaknesses in a computer system.

A hacker is: a person who finds and exploits the weakness in computer systems.

Password creating Rules:

1. Don't use the same password for all your accounts.
2. Use a password manager or keep a list of your passwords in a safe place
3. Your password shouldn't include your name or other personal details.
4. Your password should be at least eight characters long.
5. A strong password will include letters, numbers, and special characters.

A computer virus: is a type of computer program that, loaded on to a user's computer without the user's knowledge and performs malicious actions.

Computer Virus problems: Sending an email to everyone on your computer /deleting your files

Anti-virus is: a kind of software used to prevent, scan, detect and delete viruses from a computer.

Q1.Fill in:

(Anti-virus / Hacker / Virus / Hacking)

1. Someone get into your computer or accounts. (.....)
2. Type of computer program that, loaded on to a user's computer without the user's knowledge and performs malicious actions. (.....)
3. A kind of software used to prevent, scan, detect and delete viruses from a computer (.....)
4. The activity of identifying weaknesses in a computer system a person who finds and exploits the weakness in computer systems. (.....)
5. What do computer viruses do to a device and to the information on the device? (.....)

Theme
2

Summary

Lesson8

Digital reports Ways:

1. **PowerPoint®** is a Microsoft® program that creates a slide show of the material you want to present.
2. **Video:** You can make your own video to present your research, you don't need film sets or expensive cameras.
3. **Posters:** If you don't have access to a device (Choose fun colors when writing information Include art, like drawings, or photos, or cutouts and large text)

Note: *Present your ideas clearly / Credit your sources.*

Q1.Fill in:

Video – Poster – Power point

1. A Microsoft® program that creates a slide show of the material you want to present. (.....)
2. One of digital report ways which you can create using your camera. (.....)
3. Digital report which you can use If you don't have access to a device. (.....)

All Lessons (Ministry Bank)

***Complete the following sentences with suitable words between brackets.**

(e-mail - screen zoom software - eye fatigue - calculator - CPU)

- 1- ----- helps people with visual impairment read e-books and e-magazines.
- 2- Spending a lot of time using technology causes -----
- 3- A means of communication and exchanging messages among work members, which is --

- 4- Pascaline machine is the first version of -----

**(Screen – Medical hearing aids – Mentioning the owner of information –
Pascaline machine – quotation marks)**

- 1- The ----- displays information (texts, photos, videos).
- 2- ----- is one of the most important things to consider when sharing information.
- 3- ----- helps people with disabilities who suffer from hearing problems.
- 4- To get specific search results, you have to add ----- to the sentence.
- 5- The era of mechanical revolution was characterized by -----

**(personal data – digital blogs– Operating system – Screen zoom software –
Microphone)**

- 1- Opinions that express its owner, published on the internet are called -----
- 2- Your name, address and date of birth are considered -----
- 3- ----- is a tool that helps people with visual impairment to read digital books.
- 4- ----- enables to enter sounds into computer.
- 5- ----- is considered a necessity to allow any computer device to work.

**(Word – GPS– Operating system Windows – Hearing aids- Kids Search – Restart
the device)**

- 1- Tourists depend on to determine the location.
- 2- Is necessary to operate any computer.
- 3- Using engine is one of the ways for kids to search on the internet.
- 4- You can write your CV or your research using Program.
- 5- Helps people who suffer from hearing problems.
- 6- In case you couldn't open an application, you should

(Instant text messages - download - browser - results - .com - .eg - bullying – spam)

1. You can use it to communicate with your friend who is in another governorate.....
2. Behaving in an unpleasant manner towards other people
3. It is accessed after searching for a specific information
4. An application that helps to open websites and use the Internet
5. The process of transferring files from the Internet to your device
6. The link that indicates that the content is specific to Egypt ends with

CPU - Google - the era of the mechanical revolution - alternative communication software- Graph - digital blogs - social networking sites

1. It is considered one of the most famous search engines that helps to access information
2. Sites that contain personal opinions and in which the content administrator is only one person:
3. A means of presenting data in an easy and concise manner
4. A tool that helps to communicate with friends around the world
5. Responsible for data processing is
6. It helps in converting texts into audible speech

***Match:**

(A)	(B)
1- It enables me to locate the places I am interested to visit	a- Wheel chair
2- It enables me to write letters and numbers	b- Camera
3- It helps me to move if I have a prostheses	c- GPS
4- It enables me to enter my photo at the present	d- Personal data
5- It includes my name, address and date of birth	e- Keyboard

(A)	(B)
1- It enables you to identify objects buried underground	a- Quotation marks
2- It enables you to account for the search results that you want	b- Books and magazines
3- It helps people with visual impairment to read e-books	c- Ground penetrating Radar
4- One of data collection sources	d- Digital blogs
5- Opinions that express their owners which are published on the internet	e- Screen zoom software

(A)	(B)
1- Is used to input texts and images from paper into the computer.	a- Browsers
2- Is used to search on the internet.	b- GPS
3- Is used to locate things via satellite	c- Video Calls.
4- Is used to communicate with your friends audio-visually.	d- Scanner.

(A)	(B)
1- Keyboard	a- Outputs audio data
2- Speaker	b- View visual data as images.
3- Screen	c- Like Name,Address and birthdate.
4- Personal information	d- Inputs Letters and Numbers.

(A)	(B)
1- A conversation between two or more to get information about a certain topic.	a- Spam
2- One of the digital sources which enables you to get information.	b- Download
3- Downloading files from the internet into your device.	c- Electronic Books.
4- An Advertisement about one of the products or to get information about you.	d- Interviews.

***Read the following sentences, and put a line under your choice.**

1- Your teacher asked you to write an article about (Detecting Computer's malfunctions), so you need to:

- a- Define the article title, (**Computer Games - Reasons of Computer's Malfunctions**).
- b- Define the suitable sources to collect data and information for your research (**Make an interview with your teacher or friend- Blogs**).
- c- How do you attract your fans to read your research (**Put an attractive title- Speaking outside the framework of your research**).

2- Your friend asked you to help him in searching for a file on the computer, you should:

- a- Open (**Scanner- Computer**).
- b- Define (**File Name- Printer**).
- c- Choose (**Word Program- Search Box**).

3-choose:-

- A-The CD is considered from the (**Digital - Printed**) Sources.
- B-The preferred sources for collecting data (**Social media sites - Surveys and experiments**)
- C-To easily read the collected results, you can use (**Charts - Blogs**).
- D- Someone took a picture of you without your permission, this action is (**inappropriate - appropriate**).
- E-One of the advantages of the ICT tools is (**Downloading a photo to use it on a research or an article - Bullying Friends**).
- F- Computer malfunction is a/an (**Impossible- Possible**) Thing.

☞ Good luck ☜